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INFORMATION FROM FOREIGN DOCUMENTS OR RADIO BROADCASTS

REPORT

CD NO.

50X1-HUM

COUNTRY	USSR
SUBJECT	Economic; Technological - Agricultural machinery
HOW PUBLISHED	Daily newspapers
WHERE PUBLISHED	USSR
DATE PUBLISHED	25 Jun - 26 Jul 1950
LANGUAGE	Russian

DATE OF INFORMATION 1950

DATE DIST. 20 Oct 1950

NO. OF PAGES 3

SUPPLEMENT TO REPORT NO.

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SOURCE Newspapers as indicated.

IMPROVE COMBINES, PLOWS, TEA-PRUNING MACHINES

STALINETS-8 COMBINES SHOW GOOD WORK -- Pravda Ukrainy, 14 Jul 50

Two models of the high-duty Stalinets-8 grain combine, which is designed to harvest 25 to 30 centners of grain per hectare, are currently being tested in Krasnodar Kray. In the first few days of operation, the combines have shown good results.

DESIGNS TEA-SHRUB PRUNING MACHINE -- Zarya Vostoka, 12 Jul 50

Tea plantations have been mechanized thus far only to a slight extent. In the kolkhozes and sovkhozes of the Georgian SSR, the pruning of tea shrubs, one of the most labor-consuming operations, is done by hand.

In recent years, scientific research institutes have done much work in an effort to design shrub-pruning machines, and several models are already under consideration. The most promising one, the ChP-1.5, designed by Engineer A. Z. Abzhandadze and produced by the Tbilisi Machine-Building Plant imeni Ordzhonikidze, was tested in 1949 and in the spring of this year. More than 30 hectares of tea shrubs were pruned by this machine.

The ChP-1.5 is a single-row trailing machine, which can be operated mechanically or by animal draft. Requiring only one person to run it, it can prune on the average 3 hectares per day and is 48 times as productive as manual labor.

The Ministry of Agriculture is contemplating /ordering/ series production of the ChP-1.5 with a view to its employment on kolkhoz and sovkhoz plantations in 1951.

DEVICE CONVERTS 3-HORSE PLOW TO A 2-HORSE ONE -- Kazakhstanskaya Pravda, 19 Jul 50

Yurasov, a blacksmith of the Krasnyy Kombinat Kolkhoz in Alma-Atinskiy Rural Rayon, has invented an attachment to the three-horse plow, which converts the latter to a two-horse plow when the plowing is done to a depth of 18 centimeters in a 25- or 26-centimeter span. It consists of a metal roller 85 millimeters long

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and 75 millimeters in diameter, mounted on a special bracket. The mechanism is attached to the rear part of the plow between the landside and the moldboard. Its effect is to reduce the draft resistance of the plow by 20 kilograms.

Though it is a very simple device, it has great practical value and deserves to be used on every horse-drawn plow in Kazakh SSR. It has been tested and approved by the Kazakh branch of VASKhNIL (All-Union Agronomic Agricultural and Scientific Institute imeni Lenin).

Strangely enough, Yurasov is not receiving the support of his own kolhoz in his endeavors. He has been charged for the time and materials consumed in the invention. The chairman and party secretary of the kolkhoz are making it difficult for him in every way to equip the rest of the plows with this attachment.

PRODUCE 15 NEW BEET LOADERS -- Trud, 25 Jun 50

The Kiev Ukrpishchemash Plant has produced the first 15 beet loaders designed by M. Obryvko.

This machine is intended for loading beets from the fields into trucks. Its loading capacity is 60 tons of beets per hour. The loader replaces 20 men.

PRODUCE TREE-PLANTERS FOR AGRICULTURAL SCHOOLS -- Sovetskaya Moldaviya, 26 Jul 50

The Kishinev Agricultural-Machine Building Plant has put out 30 tree-planting machines, as designed by Stalin-Prize Winner Nedashovskiy, for the higher agricultural educational institutes.

INSTITUTE INSTRUCTS PLANT IN NEW METHODS -- Sovetskaya Moldaviya, 26 Jul 50

At the invitation of the Council of the Scientific Engineering-Technical Society Moldavian SSR, a number of staff members of the Odessa Polytechnical Institute visited the Kishinev Motor Repair Plant of the Ministry of Agriculture Moldavian SSR. Among them, Gus'kov, Candidate in Technical Sciences, and Voloshchenko, Docent, taught the turners high-speed metal cutting. Docent Meshcheryakov, Candidate in Technical Sciences, instructed the engineers and workers in the latest methods of sharpening cutting tools. Smirnov, Candidate in Technical Sciences, read a lecture on the causes of rejects in casting and methods to combat them.

Lately, the Council has devoted much attention to the Kishinev plant. In June, Docent Goncharenko read a lecture on the subject of coating worn parts by chrome plating, which evoked great enthusiasm among the engineers and workers. As a result, it was decided to set up a chrome-plating shop for the repair of tractor parts.

ALL SHOPS USE GAS CUTTING OF METALS -- Sovetskaya Estoniya, 20 Jul 50

The Tallin Machine-Building Plant makes tractor plows, hay mowers, cultivators, and potato-diggers. The plant makes wide use of automatic welding and other advanced techniques. All sections of the plant are now using automatics for gas-cutting of metal.

MAKES 60 GEARS PER SHIFT -- Komsomol'skaya Pravda, 26 Jul 50

The norm for a gear cutter at the Kiev Tractor Parts Plant imeni Lepse is 37 gears per shift. One komsomol is now turning out 50-60 gears per shift.

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PRODUCES NEW TRACTOR CART -- Kazakhstanskaya Pravda, 16 Jul 50

The Pavlodar Repair and Machinery Plant has successfully tried out a new wood-hauling tractor cart and is proceeding to put it into mass production.

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